






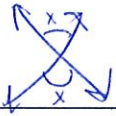
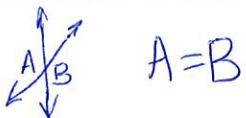
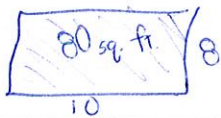


Geometry Unit Study Sheet

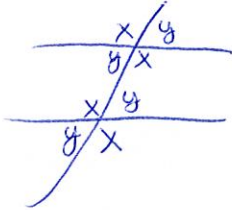
Definitions		
Word	Definition	Example
3D	3 dimensional	
2D	2 dimensional	
Triangle	3 sides whose angles equal 180°	
Transversal	a line that intersects two or more other lines	
Parallel Lines	lines in a plane which do not meet	
Complementary Angles	angles that add up to 180°	
Supplementary Angles	angles that add up to 90°	
Vertical Angles	angles opposite each other when 2 lines cross. They are always equal.	
Congruent	the same	
Area	measurement of a surface	

plane a flat surface

Triangle Side Theorem

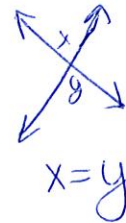
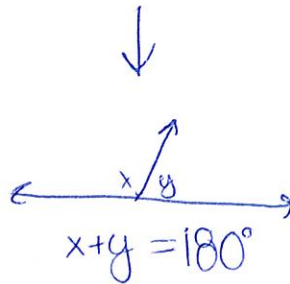
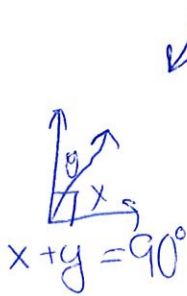
$$A + B > C$$

Parallel Lines and Transversals



$$x + y = 180^\circ$$

Complementary, Supplementary, and Vertical Angles



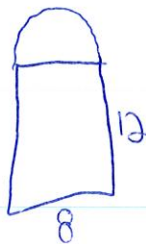
Area Formulas

$$A_r = L \times W$$

$$A_t = \frac{1}{2} b \times h$$

$$A_c = \pi r^2$$

Area of Complex Polygons/Shaded Regions



cut shapes into friendly shapes, then
add areas together